Name	:	**B.MATHURABAI**	
Designation	:	Associate Professor	
Department	:	Information Technology	
Mail.Id	:	mathurabai_b@vnrvjiet.in	
Experience (in years)	:	Teaching: 19yrs	
Research	:	10yrs others (If any, Specify):6 months industrial experience	
Date of Birth	:	08.09.1980	
AICTE-ID	:	1-464122995	

1. **Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Specialization
1	B.Tech	CSIT
2	M.Tech	CSE
3	Ph.D	CSE(pursuing)

2. **Teaching and Learning:**

   2.1 Teaching Interests:

   a) Computer Programming/Programming through C

   b) Data Structures

   c) C Programming and Data Structures

   d) Computer Networks

   e) Wireless Networks & Mobile Computing

   f) Software Engineering

   g) Software Testing Methodologies

   h) Mathematical Foundations of Computer Science

   i) Object Oriented Programming through JAVA

j) Information Technology & Numerical Methods.

k) Cloud Computing

l) Discrete Structures and Graph Theory

m) Data Structures and Algorithms

n) Design and Analysis of Algorithms

o) Mobile Computing

p) Soft Computing

q) Machine Learning

r) Python Programming

2.2 Novel Teaching & Learning Techniques adopted:

- PPTs, Videos, Quiz, Brainstorming, Problem Solving, POGIL

2.3 Involvement in curriculum updating / Design:

- Designing of new syllabus for subjects like Wireless Networks and Mobile Computing, Software Testing Methodologies and worked as Dept. Course Coordinator since 2011 onwards and also as Dept. Academic Committee Member doing designing of B.Tech-IT and M.Tech-CNIS Syllabus, Dept. Development Committee Member.

3. **Co-curricular and Extra-Curricular Activities**

3.1. Interests and Hobbies:

- To promote work efficiency, good attitude towards work in organizations.

3.2. CCA/ECA Organized:

- B.Tech and M.Tech Project Expo as part of SHOW &TELL

3.3. CCA/ECA participated:

- DRDO Sponsored Project Poster Presentation during Open House 2015, 2016 and 2017.

3.4. Counseling and Mentoring Activity:

- Every year IT 15 students and 1 M.Tech (CNIS) students for mentoring and counseling

3.5. Committees involved in:

Department level: Result Analysis Incharge from 2008 to 2013, Monthly Report Incharge from 2008 to 2016, Course Coordinator Incharge from 2011 to 2016, Time table Coordinator Incharge from 2009 till 2015, 2018 to 2019, Class Coordinator for 2008, 2012 batchs.

Institute Level: VIGNANA VARTHA Associate Editor, Placement Coordinator, Career Vision Approach Coordinator, Women's Welfare Association Member, Alumni Coordinator, Canteen Committee Member.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Conducted 15days remedial classes for the late joined lateral entry students for the coverage of the syllabus in 2004 after the academic class work. Venue: CSE/IT Seminar Hall, VNR.

- Conducted a 2 day workshop on "Modeling Techniques in Virtual Reality & Multimedia- Action Script" for Engineering College Teaching Faculty and B.Tech Students, during September 5th and 6th 2008. Venue: CSE/IT Seminar Hall, VNR VJIET.

- Conducted a 2 day training programme on "Information Technology-Hardware" for both CSE and IT teaching staff, during September 22nd& 23rd 2008. Venue: IT-Workshop Laboratory, VNR VJIET.

- Conducted a 3 day Micro Teaching programme for both CSE and IT teaching staff, during April 20th to April 22nd 2009.

- Coordinated for two AICTE sponsored FDPs conducted by IT Dept.

- Coordinated for International Conference on Data Sciences conducted by CSE & IT Dept.

- Conducted a guest lecture on "Java Servlets, JSPs & ASPs" for M.Tech CNIS and M.Tech(ES)(33 in no.) on 14.5.14 given by Mr. T. Mahesh ,Corporate Trainer & Mobile Application Developer at Geosys Enterprise Solutions Pvt. Limited, Hyderabad under TEQIP.

- Conducted a guest lecture on "MANETs (Mobile Adhoc Networks)", IV-IT I Sem(61 in no.) on 7.11.2014   given by Dr. Humaira Nishat, Professor, ECE Dept.,CVR College of Engineering, Hyd. Under TEQIP-II.

- Conducted a guest lecture on "Wireless Networks Simulation using NS2" by Pothalaiah Sake, JNTUH on 16.7.15 for I M.Tech(CNIS)-II Semstdents under TEQIP-II.

- Coordinated IBM Webinar by PadmanabanSukhumaran, Director Services Engineering & Automation on "Take Wings A Look at the Future" on 28.1.16 in coordination with Aloysious R Marian, L1 Portfolio Manager-Telstra PM team,

IBM Accredited Advisory Project Manager, EBIS SO Delivery, Delivery Center India.

- Coordinated Webinar by Kumaresan N, Head-ASU Test Automation CoE& Labs, TCS on "Fly high with an exciting career in Assurance" on 3rd Feb 2016 in coordination with DasakaSrindhi.

- Coordinated IBM Webinar by Sanjiv Jain, Associate Director-HR, IBM India &South Asia on "Leveraging Collective Intelligence-IBM Way" on 23.2.16 in coordination with Aloysious R Marian, L1 Portfolio Manager-Telstra PM team, IBM Accredited Advisory Project Manager, EBIS SO Delivery, Delivery Center India.

- Conducted a Guest Lecture on "Applications of Data Structures in Corporate Industries" under TEQIP-II for I B.Tech-IT II Sem students on 11.2.16 and the speaker was Manohar R. Kesireddy,CEO& Founder of mRoads, Hyderabad.

- Conducted a Guest Lecture on " Routing Algorithms in MANETs" under TEQIP-II for I M.Tech(CNIS) –II Sem students on 22.4.16 and the speaker was ArunaRao SL, Associate Professor & HOD-IT, BVRIT, Hyderabad.

- Conducted a National Workshop under TEQIP-II on "Recent Trends in Mobile Computing and Cloud Security" from 4.5.16 to 6.5.16 for faculty of IT, CSE and M.Tech(CNIS) Students.

- Conducted a Guest Lecture on Networking under TEQIP-II for I M.Tech I Year CNIS-I Sem on 23.01.2017 by Murali Darisi, Innominds Software Pvt. Ltd Hyderabad.

- Conducted a Guest Lecture on Importance of Algorithms in Software Industry under TEQIP-II for II B.Tech-II Sem students on 25.3.17 by Ch.Aravind.

- Worked as Registration Committee Member for the 7th IEEE International Advance Computing Conference 2017 on 5th-7th Jan 2017.

- Conducted a CVA session by Alumni C.Ashwitha Reddy on 21.9.17 for I B.Tech IT1-I Sem students as part of Inspirational Talk.

- Conducted a Certification Course on "Core and Advanced Python" for III-IT students from 11th Dec 2017 to 23rdDec 2017 by Technosoft, An IT Services Company.

- Conducted an event called VNR EXPRO(Exploring excited projects @ VNR) for Silver Oaks Students (6th class to 10th class) from 3.4.2018 to 4.4.2018

- Conducted a 4 days workshop on Python Programming from 2nd June to 5th June 2020 by the Dept. of IT in collaboration with ACM student chapter.

4.2. Attended:

- Short Term intensive course on "Embedded Systems" by Guru Nanak College of Engineering from 29 Nov-3 Dec 2004.

- Short Term course on "Embedded Systems" by ECE, Sreenidhi Institute of Science &Technology from 6th June to 11th June 2005.

- Attended a course on "Object-Oriented Analysis &Design using the UML with Fundamentals of Rational Rose "by IBM from 06th-07th Dec'05.

- Attended a 3 day FACULTY DEVELOPMENT PROGRAM on "Network and Management System" organized by M/s. Wipro Technologies at Vasavi College of Engg. From 22-24th Feb 2006.

- Short Term course on "Web Technologies" at VNRVJIET on 23.3.07 & 24.3.07.

- Three Day Workshop on "OOAD with UML using IBM Rational Rose" at VNRVJIET during 27-29, August 2008.

- Two Day Workshop on "Software Economics" by CSE Dept in VNRVJIET.

- Two Day Workshop on "High Impact Teaching Skills called as Mission 10x " by Wipro at JNTUH on 17th-18th Nov 2008.

- Two Day Workshop on "Recent Trends in Teaching –Mission 10x "by Wipro at MLR Inst. Of Technology &Science.

- Participated in "The Great Mind Challenge-2008" National Software Development Program by IBM on 16th April 2009.

- Three Day Workshop on "Advanced UNIX Operating Systems" by IT Dept in VNRVJIET.

- One Day Workshop on "Hidden Markov Model" by ISTE Chapter in VNRVJIET.

- Three Day Workshop on "Network Programming" by CSE Dept& CSI Student Chapter at VNRVJIET from 16th-18th Sep 2010.

- One Day Workshop on "Women in Research-the FOSS Paradigm" at UGC-Academic Staff College, JNTUH on 26th Nov 2010.

- Short Term Course on "Recent Trends in Advanced Technologies" by CSE Dept. at VNRVJIET from 20th -22nd Jan 2011.

- AICTE Sponsored Faculty Development Programme on "Recent Trends in Networking & Security" by IT Dept. at VNRVJIET from 13.6.11 to 26.6.11.

- Faculty Development Programme on "Enabling interactive Learning Mechanisms using Advanced Network & Mobile Solutions" on 23-June-2011 at VNRVJIET, Hyd conducted by Tata Consultancy Services Limited.

- Expert Lecture on "Introduction to Computational Intelligence & Applications in Bioinformatics" organized by IEEE-Hyderabad Section Dept. of Computer & Information Sciences, UOH on 06.08.11.

- Seminar on "Calculation of individual income tax" by B.Prathyusha at VNRVJIET on 07.10.11.

- Three Day Workshop on "OOAD using UML" by CSE Dept. in VNRVJIET from 9th May to 11th May 2012 .

- AICTE Sponsored Staff Development Program on "Advanced Data Mining Techniques" by CSE Dept. in VNRVJIET from 14th May to 26th May 2012.

- One Day Training program on "IBM Software Quality & Testing" by CSE Dept., Osmania University in collaboration with IBM and M/S SP Software (P) Limited at OU Campus Auditorium on 15.9.2012.

- One Day Seminar on "Advances in Soft Computing" at VNRVJIET on 14.12.2012 conducted by CSE Dept., VNRVJIET under TEQIP-II

- One Day Workshop on "Research Methods in Educational Technology" under national mission on educational through ICT (MHRD, Govt. Of India) conducted on 2.2.2013 and 9.2.2013 by IIT Bombay at IIIT, Hyderabad.

- Two Day Workshop on "Security and Privacy in Cloud Computing" under TEQIP 2013conducted by IT Dept., at VNRVJIET from 25.3.13 to 26.3.13

- Three Day Workshop on "Art of Teaching" under TEQIP-II conducted by ME Dept., at VJIM from 2.5.13 to 4.5.13

- Faculty Development Programme on "Digital Forensics & Information security" held on 15th Nov 2013 at VNRVJIET organized by Tata Consultancy Services.

- Participated in International Conference on Data Sciences (InDAS 2014) held during 26th -28th Feb 2014 at VNRVJIET organized by Dept. of CSE & IT under TEQIP-II.

- Participated and presented a paper on "A Survey on Application of Mobile Technology in Health Care (mHealth)" on the occasion of All India Seminar on "Latest Trends and Technologies in Computer Science & Engineering held on 25th & 26th March 2014 at The Institution of Engineers (India),Andhra Pradesh State Centre organised by The Institution of Engineers(India), Andhra Pradesh State Centre, Visvesvaraya BHavan,Khairatabad,Hyderabad-500 004.

- Two Day National Workshop on Simulation of Wireless Networks using NS2(SWN) from 4th July to 5th July 2014 organized by Dept. of ECE,JNTUH College of Engineering and conducted at Dept. of ECE, JNTUH CEH, Kukatpally.

- Three Day Workshop on "Engineering the Education Scenario towards a Learner Centric Environment" organized by Dept. of Humanities & Sciences, VNRVJIET, Hyderabad under TEQIP-II during 4th-6th August 2014 at VNRVJIET.

- Three Day Workshop on "Emerging Trends in Social Media and Mobile Applications" organized by CSE Dept.,VNRVJIET, Hyd under TEQIP-II during 13th-15th Nov 2014 at VNRVJIET.

- AICTE Sponsored Faculty Development Program on "Trends in Wireless Communication Technology and Evolution of Simulation Tools" from 11th May 2015 to 23rd May 2015 organized by ECE Dept., VNRVJIET.

- Attended a Webinar on "Data Sciences" by Ms. Nagamallika, WIPRO Consultant organized by Placement & CSE Dept. on 8.7.15 at Career Vision Center, VNRVJIET.

- Attended a workshop under TEQIP-II on "Embedded Hardware, Operating Systems and IoT Applications" organized by ECE Dept. from 20.1.16 to 23.1.16 at VNRVJIET.

- Attended a workshop under TEQIP-II on "Applications of Computer Networks & Security" organized by IT Dept. from 9th-10th Nov 2015

- Attended a workshop under TEQIP-II on "Web Application Development using Python" organized by IT Dept. from 28.3.16 to 30.3.16.

- Participated in the 1st International Conference on Computational Intelligence & Informatics(ICCII-2016) held at JNTUH organized by Dept. of CSE during May 28th -30th 2016.

- Attended a workshop under TEQIP-II at JNTUH organized by Dept. of ECE on "Simulation of Wireless Networks using NS2 (SWN 2016)" from 26th-28th May 2016.

- Attended a National Level One week Faculty Development Programme on "Sensor Networks and Internet of Things" from 27th Nov-2nd Dec 2016 conducted by Dept. of CSE in association with NITW under the scheme of Electronics & ICT Academy.

- Attended a 2nd International Conference on Information and Communication Technology for Intelligent Systems ICTIS 2017 held on March 25-26, 2017 at Ahmedabad and presented a paper titled " Clustering and Classification of Effective Diabetes Diagnosis: Computational Intelligence Techniques using PCA with KNN".

- Attended 21st Annual Meeting of DRDO at New Delhi on 22.5.17 as part of sanctioned LSRB-DRDO project.

- Attended the Alumni Entrepreneur Meet 2017 on 23.9.17 by Alumni Cell in coordination with EDC cell.

- Attended 1-day workshop on Cloud Computing by CSE & IT Dept., GNITS on 26th Oct 2017.

- Attended a Certification Course on "Core and Advanced Python" for III-IT students from 11th Dec 2017 to 23rd Dec 2017 by Technosoft, An IT Services Company.

- Attended one week workshop on "Big Data Analytics" by CSE Dept., VNRVJIET from 25.6.18 to 30.6.18.

- Attended NPTEL Online Certification, Funded by Ministry of HRD, Govt. of India for course Problem Solving Through Programming in C by Prof. Anupam Basu, IIT Kharagpur and got Elite Certificate and Topper among Top 1% with a consolidate score of 87% during Jul-Oct 2018 (12 week course) bearing Roll No: NPTEL 18CS31S21381127 and with Online Assignments score 23.63/25 and Proctored Exam 63/75 out of 4083 particpants.

- Attended FDP program on "Hadoop Framework and Big Data Tools" by CSE Dept., VNRVJIET in association with Capgemini& CSI during 27.9.18 to 29.9.18.

- Attended a Pre-conference workshop on Recent Trends in Computational Intelligence & Security organized by Dept. of CSE ,JNTUHCEH on 27th Dec 2019 held during International Conference on Computational Intelligence and Informatics (ICCII-2018).

- Attended and presented a paper titled Diagnosis of Diabetes using Clinical Decision Support System in International Conference on Computational Intelligence and Informatics (ICCII-2018) during 28th-29th Dec 2018 organized by Dept. of CSE, JNTUH College of Engineering Hyderabad.

- Attended and presented a paper titled Diabetes Complications Prediction Using Different Multi-label Classification Algorithms-MEKA in International Conference on Intelligent Computing and Communication Technologies (ICICCT-2019) during 9th-11th Jan 2019 organized by Dept. of CSE & IT, BVRIT Hyderabad College of Engineering for Women.

- Attended a short-term course "Introduction to Programming: A Pedagogical Approach" conducted by E & ICT Academy, Indian Institute of Technology, Kanpur under Ministry of Electronics & Information Technology, Govt. of India from 17th June 2019 to 21st June 2019. (Ref. No.:EICT/NITP/57/CSE/209/2019.

- Attended a online course (AICTE approved FDP course) on "Data Analytics with Python" conducted by Swayam- NPTEL, IIT Roorkee

- Attended a one week FDP on "LaTeX" conducted by IIT-Bombay & SGU from 27th April to 2nd May 2020

- Attended a FDP on "Industry Expectations from Data Mining and Blockchain Professionals" conducted by Dept. of CSE with CSI, VNRVJIET from May 25th to 29th 2020

- Attended a online hands-on session on "LaTeX-A Scientific Documenting Tool" on May 21st 2020 by IEEE VNR SB VNRVJIET

- Attended a webinar on "Opportunities for Engineers @DRDO" on May 25th 2020 conducted by Chennai Institute of Technology

- Attended a hands-on workshop on "Effective Utilization of Digital Platforms for Teaching and Learning Process" on 1st May- 3rd May 2020 by VNRVJIET

- Participated in 5-day FDP on "Cyber Security" organized by Dept. of ECE and IT in collaboration with IETE, ISTE and ACM student chapters from 2.6.2020 to 6.6.2020

- Participated in a two-week FDP on "Advance Data Structures" organized by Dept. of CSE in collaboration with CSI VNR SC from 1st June- 11th June 2020

- Participated in the Quiz on "Faculty Awareness on NBA" conducted by the Dept. of EEE, Mallareddy College of Engineering and Technology and secured 95% score on 14.6.2020

- Participated in E-Quiz on "Python and Data Structures with certification program" organized by Dept. of CSE, NBKR Institute of Science and Technology in association with CSI on 27th May 2020 with 75%

- Participated in a webinar on "Recent Trends in Data Science" conducted by Dept. of CSE & IT, MLR Institute of Technology on 13.6.2020

- Participated in an online Quiz on "Basics of Programming in Python" conducted by Dept. of CSE, LORDS Institute of Engineering and Technology on 14.6.2020 with 100% score

- Participated in a FDP on "Machine Learning with Python" conducted by Dept. of CSE & IT, BVRT from 15th June t 20th June 2020

- Participated in 5-day online FDP on "Artificial Intelligence and Machine Learning for Engineering Applications" conducted during 8th June- 12th June 2020 by the Dept. of CSE, IT & ECE VNRVJIET

- Participated in an online national workshop on "Data Science: Techniques & Tools" under TEQIP-III organized by Dept. of CSE & IT, Madhav Institute of Technology and Science, Gwalior during June 20th-21st2020

- Participated in a one-week FDP on "Cloud Computing and DevOps" conducted by Dept. of CSE in collaboration with CSI, VNRVJIET from June 23rd to 27th,2020.

- Participated in the webinar: "Scientific Writing & Publishing" presented by Dr. Chiranjeevi Manike on 25.6.2020 organized by Dept. of CSE, BVRIT

- Attended a webinar on "Machine Learning Approaches" organized by Dept. of CSE, IAE on 9.7.2020

- Attended a webinar on Big Data Analytics on 13.7.2020 from 11am to 12pm organized by Dept. of CSE, C Abdul Hakeem College of Engineering and Technology

- Attended a webinar on Python Programming and Its Applications on 17.7.2020 organized by Dept. of PG, Pachaiyappa's College, TN.

- Attended a webinar on "Challenges Vs Expectation – Entrepreneurship ecosystem" by T-Hub Foundation where Dr.D.N.Rao was one of the panel member in panel discussions on 23.7.2020 from 11am to 1pm

- Participated in an international level e-Quiz on "Data Structures" organized by Dept. of CSE, St. Xavier's Catholic College of Engineering on 25.7.2020

- Attended a Six Days (Online) AICTE-AQIS sponsored STTP on "Deep Learning and its Applications using TensorFlow and Keras" during 5th Sep 2020 to 11th Sep 2020 timings are 10-12pm and 2-4pm by RMK Engineering College

- Attended a course from Coursera titled "Programming for Everybody (Getting Started with Python) by University of Michigan on 4.9.2020

- Attended online faculty Development Program on "Data Science & It's Applications In STEM" from 7th Sep to 21st Sep 2020 organized by Andhra University College of Engineering (A), Andhra University, University College of Engineering Vizianagaram, JNTUK in collaboration with Andhra Pradesh State Council of Higher Education (APSCHE) (3pm to 6.15pm)(STEM-Science, Technology, Engineering and Math)

- Attended one week AICTE ATAL FDP on "Data Sciences" by Dept. of Computer Science & Engineering, SoS (E&T), Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, C.G., India from 12.10.2020 to 16.10.2020.

- Attended AICTE & MRSPTU approved One Week Short Term Training Program on "Wireless Sensor Networks" from 18-23 January 2021, organized by Department of Computer Science and Engineering, GZSCCET MRSPTU, Bathinda.

- Attended AICTE-ISTE Sponsored a Six Day Induction/ Refresher Programme on "Machine Learning for All" organized by Dept. of Electronics and Communication Engineering and Centre for Research and Innovation, KSRM College of Engg., Kadapa, A.P., from 1st to 6th Feb., 2021.

- Attended the E&ICT and Department of Computer Science and Engineering, NIT Warangal are conducting a one weekonline faculty development programme on **"OPTIMIZATION TECHNIQUES FOR ENGINEERING APPLICATIONS"** during 7th April- 15th April, 2021.

- Attended one week FDP on "Advancement of Intelligent System and Computation" organized by CSE Dept., JIS College of Engineering in association with CSI Kolkata Chapter from 20.4.2021 to 24.4.2021

- Attended one week FDP on "Recent Advancement in Machine Learning and Deep Learning" organized by CSE Dept., in collaboration with CSI Student Chapter, VNRVJIET from 26th-30th April 2021.

- Attended a 2 days Instructor Led Live online workshop on "Covid-19 Data Analysis and Forecasting "held during 15th-16th May 2021 organized by Finland Labs (A Unit of Revert Technology Pvt. Ltd.) on 17th-18th May 2021(postponed dates).

- Attended five day national level online FDP on "ML/DL by using Colab and Knime-A Road Map" organized by Dept. of CSE, CMR Engineering College, Hyderabad from 1.6.2021 to 5.6.2021

- Attended ATAL FDP on "Cultivating Excellence in Implementation of Computational Science for Scientific and Technological Innovations" organized by NIT Rourkela from 14.6.2021 to 18.6.2021

- Attended a two-day International AI Congress-AI for Excellence from 15.6.2021 to 26.6.2021 organized by CSE Dept., CVR College of Engineering

- Attended National Level 1-Week FDP on "Multi-Technologies " organized by CSE Dept., Vasavi College of Engineering, Hyderabad from 27.6.2021 to 3.7.2021

- Attended five days Industrial Training Program on MATLAB Programming organized by IIPM, Kansbahal, Odisha in association with PANTECH LEARNING from 5.7.2021 to 9.7.2021

- Attended International FDP on "Data Science & Machine Learning" organized by CSE Dept., Bannari Amman Institute of Technology from 13.7.2021 to 17.7.2021

- Attended a FDP on "Soft Computing Trends and Emerging Applications" by Dept. of CSE, NITW from 26.7.2021 to 30.7.2021

- Attended an International Webinar on "Data Science for Engineer" on 25.8.2021 conducted by CSE-DS Dept., VNR VJIET

- Attended an International Webinar on "Deep Learning in Health Care" by Dr. ARGHYAPAL, Harvard Medical School, Harvard University on 18.9.2021 conducted by Dept. of CSE-AI&ML,IOT and CSE-DS,CS and AI &DS, VNR VJIET

- Attended AICTE ATAL Sponsored one week online FDP on "Natural Language Processing (NLP)" organized by Dept. of ECE from 8.11.2021 to 12.11.2021, G.Pulla Reddy Engineering College, AP.

- Attended one week online FDP on "Optimization Techniques: Theory, Practice, and Emerging Applications" by E&ICT and Dept. of CSE, NIT Warangal during 24.1.2022 to 1.2.2022

5. **Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures:

- Given an invited talk on "A Survey on Application of Mobile Technology in Health Care (mHealth)" on the occasion of All India Seminar on "Latest Trends and Technologies in Computer Science & Engineering held on 25th & 26th March 2014 at The Institution of Engineers (India),Andhra Pradesh State Centre organized by The Institution of Engineers(India),Andhra Pradesh State Centre, Visvesvaraya Bhavan,Khairatabad,Hyderabad-500 004.

- Trained I-IT students from 18th May 2018 to 25th May 2018 as a facilitator for Certification Course on "Python Programming"

- Trained Silver Oaks Students (6th class to 10th class) from 3.4.2018 to 4.4.2018 in an event called VNR EXPRO(Exploring excited projects @ VNR) by teaching them how to create simple web pages using HTML Tags.

- Delivered an Expert Talk **"Basics of Python and Data Structures in Python Programming" on 17/3/2021 from 09:45 am to 11:30 pm as part of AICTE-MRSPTU Sponsored One Week Online Short-Term Training Programme on "Python Programming" organized by Department of Computer Science & Engineering GianiZail Singh Campus College of Engineering & Technology, Maharaja Ranjit Singh Punjab Technical University (MRSPTU) Bathinda- 151001, Punjab, India**

- ***Delivered an expert session on 3.9.2021 during Three-Day National FDP on "Machine Learning Applications" organized by Dept. of IT, VNR VJIET from 2.9.2021 to 4.9.2021***

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

      a) UG: 26

      b) PG: 6

5.5. Research Interests:

Data Mining, Mobile Computing, Machine Learning

5.6. Ph.D students:

      a) Enrolled: Nil

      b) Submitted: Nil

      c) Awarded: Nil

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Malware Analysis using System call Monitoring	Journal of Electrical, Electronics and Computer Systems	ISSN-Online,2347-2820 Vol 3	1.75	International
2	Predictive	International	https://sites.google.com/site/ijcsis/	1	International

		ISSN 1947-5500		
	Modeling of Tree Rule Firewall for the Efficient Packet Filtering ISSN 1947-5500	Journal of Computer Science and Information Security (IJCSIS),Vol. 14, No. 10, Oct 2016			
3	Mathura (MBI)- A Novel Imputation measure for imputation of missing values in medical datasets	Recent Advances in Computer Science and Communications, 13, 2020	ISSN: 2666-2558	-	International
4	An Attention Based Neural Architecture for Arrhythmia Detection and Classification from ECG Signals	Computers, Materials & Continua, CMC, 2021, Vol. 69, pg. 2425-2443	Doi: 10.32604/cmc 2021.016534	1	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Exploring Research Issues in Mining Medical Datasets, Article No. 65(ISBN: 978-1-4503-3418-1, doi>10.1145/2832987.2833078)	ACM International Conference ICEMIS 2015	International	Sep 24-26 2015

2	An Approach To Find Missing Values in Medical Datasets ,Article No. 70 (ISBN: 978-1-4503-3418-1 doi>10.1145/2832987.2833083)	ACM International Conference ICEMIS 2015	International	Sep 24-26 2015
3	Clustering and Classification of Effective Diabetes Diagnosis: Computational Intelligence Techniques using PCA with KNN	Information and Communication Technology for Intelligent Systems (ICTIS 2017), Vol 1,Smart Innovation,Systems and Technologies 83,DOI 10.1007/978-3-319-63673-3_52	International	25.3.17 to 26.3.17
4	Diagnosis of Diabetes using Clinical Decision Support System	International Conference on Computational Intelligence and Informatics (ICCII-2018)	International	28th-29th Dec 2018
5	Diabetes Complications Prediction Using Different Multi-label Classification Algorithms-MEKA	International Conference on Intelligent Computing and Communication Technologies (ICICCT-2019)	International	9th -11th Jan 2019

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Development of a tool for the management of Diabetes Mellitus	DRDO LSRB-284/SH & DD/2014 dated on 8.1.15	2 yrs	9,03,500	Completed
2	Prerana Scheme	AICTE	2 years	7,93,333	Ongoing

5.10 Consultancy Projects: Nil

6. Awards / Honors received:

1. Received Gold Medal from VNRVJIET as Best Outgoing Girl Student in 2003

2. Received a grant of worth 9.03 lakhs from DRDO-LSRB in the year 2015

3. Life Member for ISTE (LM-62934) and CSI (I1504257)

4. Received Elite Certificate and Topper among Top 1% with a consolidate score of 87% in NPTEL Online Certification Course on Problem Solving through Programming in C with Roll No.: NPTEL 18CS31S21381127 conducted by IIT Kharagpur, funded by Ministry of HRD, Govt. of India.

5. Received a grant of worth 7.93 lakhs from AICTE under Prerana Scheme in the year 2020

7. Motto:

Work is Worship & Efficiency is Divine